

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9/19/75	
Company Southern Union Production Co.			Connection Southern Union Gathering Company		
Pool Blanco			Formation Mesaverde		Unit
Completion Date 9/10/75		Total Depth 5746	Plug Back TD 5717		Elevation 6426 Gr.
Farm or Lease Name Seymour			Well No. 5-A		
Csg. Size 7.988	Wt. 23.00	d 6.366	Perforations: From 5246 To 5627		
Tbg. Size 2.0625	Wt. 3.25	d 1.750	Perforations: From 5567 To 5573		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At ---	
Producing Thru Tubing		Reservoir Temp. °F @	Mean Annual Temp. °F ---		Baro. Press. - P _a 12
State New Mexico					
L 5555	H	Gg 0.700	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI	2"		3/4"				599		596		7 Days
1.							145	64°	524		3 Hours
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		157	0.9962	0.9258	1.017	1821
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/b.l.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____
2.					Specific Gravity Separator Gas _____
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ °R

$P_c = 611$ $P_c^2 = 373,321$				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		536	287,296	86,025
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.3397$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5475$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.0066$

Absolute Open Flow 5475 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n 0.75
Remarks: _____			
Approved By Commission:	Conducted By: Kenneth E. Roddy	Calculated By: Kenneth E. Roddy	Checked By:

